

a¹ amended.
a plurality of cross support members positioned over the plurality of spaced windings and positioned perpendicular to a longitudinal axis of the stator coil assembly, spaces between adjacent cross support members defining a plurality of channels, each of the cross support members having a first edge configured to mechanically engage the upper edge of the plurality of wedges.

3. (Amended) The stator support system of claim 1 further comprising:
a housing having an inner surface defining a radial opening with a longitudinal axis positioned at center of the radial opening; and
wherein each of the plurality of cross support members have a second edge configured to mechanically engage the inner surface of the housing.

a²
6. (Amended) The stator support system of claim 1 wherein the first edge of the plurality of spaced cross support members is configured with at least one tab.

7. (Amended) The stator support system of claim 1 wherein the upper edge of the plurality of wedges is configured with at least one notch.

a³
10. (Amended) The stator support system of claim 1 wherein each of the plurality of cross support members is formed of a high permeability material.

Please add claims 25-37 as follows:

a⁴
25. (new) The stator support system of claim 1 further comprising magnetic material disposed within at least one channel. *wire in the 120, 12*

26. (new) The stator support system of claim 25 wherein the magnetic material disposed within at least one channel is wire having high magnetic permeability.

27. (new) The stator support system of claim 26 wherein the wire is wound around the longitudinal axis of the inner support tube within at least one channel.

a4 cont.
28. (new) The stator support system of claim 25 wherein the magnetic material disposed within at least one channel is iron laminate.

made
29. (new) The stator support system of claim 1 wherein the cross support members are formed of iron.

30. (new) The stator support system of claim 1 wherein the cross support members are formed of a material having a low magnetic permeability.

material
31. (new) The stator support system of claim 30 wherein the cross support members are formed of a composite glass material.

32. (new) The stator support system of claim 3 wherein the second edge of each cross support member includes a plurality of tabs, and the inner surface of the housing includes a plurality of slots for mechanically receiving the plurality of tabs disposed on the second edge of each cross support member.

33. (new) An apparatus for mounting a motor stator assembly within a outer housing defining at least one radial opening with a longitudinal axis positioned at center of the radial opening, the apparatus comprising:

the same
a plurality of cross support members positioned perpendicular to the longitudinal axis of the radial opening, each of the cross support members having a first edge mechanically engaged to the motor stator assembly and a second edge mechanically engaged within the outer housing, the plurality of cross support members spaced to provide at least one channel between motor stator assembly and outer housing; and

magnetic material disposed within at least one channel.

34. (new) The apparatus of claim 33, wherein the cross support members are made from material having a high magnetic permeability.

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35. (new) The apparatus of claim 33, wherein the cross support members are made from material having a low magnetic permeability.

36. (new) The apparatus of claim 34, wherein the magnetic material disposed within at least one channel is wire having high magnetic permeability.

37. (new) The apparatus of claim 34, wherein the magnetic material disposed within at least one channel is iron laminate.
